

DESCRIPTION

TRANSPARENT ELASTOMER COMPOSITION

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TECHNICAL FIELD

The present invention relates to a transparent composition comprising an elastomer and fine particles of fluorine-containing resin, for example, a transparent elastomer composition comprising a fluorine-containing elastomer as a matrix and fine particles of fluorine-
10 containing resin which are finely dispersed in the elastomer. The elastomer composition can provide a molded article having enhanced mechanical strength and is useful as a base elastomer for various molded articles. Further, the elastomer composition can provide an elastomeric molded article which is excellent in mechanical strength and transparency by adding an additive thereto.

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BACKGROUND ART

It has been known that a fluorine-containing resin is added to a fluorine-containing elastomer. An object of the addition is to
20 enhance mechanical strength by using the fluorine-containing resin as a clean filler and utilizing its friction property thereof. Methods, for mixing the resin and the elastomer, include a dry blend method by using a usual rubber mixing roll, and a method for enhancing dispersibility by using a solvent, and the like.

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For example, in JP-A-55-151051, a fluorine-containing rubber excellent in abrasion resistance is obtained by blending a low molecular weight polytetrafluoroethylene (PTFE). Also, JP-A-63-178149 describes a method of adding and mixing a PTFE powder to a fluorine-containing rubber solution to enhance the gas barrier property
30 and mechanical strength of the rubber. Further, JP-A-2-261850 proposes that a fluorine-containing resin is blended in a large amount of from 30 to 150 parts by weight together with an organic solvent to 100 parts by weight of a rubber to lower a friction coefficient and to

OK to ENTER
SUB SPEC
11 Oct 03